What is claimed is:

1. An information-recording medium comprising a substrate and a recording layer which is rewritable in accordance with phase-change caused by being irradiated with a laser beam, wherein the recording layer contains Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te:

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B3 (Bi<sub>3</sub>, Ge<sub>46</sub>, Te<sub>51</sub>);
C3 (Bi<sub>4</sub>, Ge<sub>46</sub>, Te<sub>50</sub>);
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2. An information-recording medium comprising a substrate and a recording layer which is rewritable in accordance with phase-change caused by being irradiated

with a laser beam, wherein the recording layer contains Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te, and the recording layer has a film

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C2 (Bi<sub>3</sub>, Ge<sub>47</sub>, Te<sub>50</sub>);

D2 (Bi<sub>4</sub>, Ge<sub>47</sub>, Te<sub>49</sub>);

D6 (Bi<sub>16</sub>, Ge<sub>37</sub>, Te<sub>47</sub>);

C8 (Bi<sub>30</sub>, Ge<sub>22</sub>, Te<sub>48</sub>);

B7 (Bi<sub>19</sub>, Ge<sub>26</sub>, Te<sub>55</sub>).
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3. An information-recording medium provided as an optical disk comprising a recording layer which is rewritable in accordance with phase-change caused by being irradiated with a laser beam, wherein a relationship between a recording linear velocity V1 at a radius R1 and a recording linear velocity V2 at a position R2 disposed outside R1 satisfies V2/V1 ≥ R2/R1, and the recording layer contains Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te:

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B2 (Bi<sub>2</sub>, Ge<sub>47</sub>, Te<sub>51</sub>);

C2 (Bi<sub>3</sub>, Ge<sub>47</sub>, Te<sub>50</sub>);

D2 (Bi<sub>4</sub>, Ge<sub>47</sub>, Te<sub>49</sub>);

D6 (Bi<sub>16</sub>, Ge<sub>37</sub>, Te<sub>47</sub>);

C8 (Bi<sub>30</sub>, Ge<sub>22</sub>, Te<sub>48</sub>);

B7 (Bi<sub>19</sub>, Ge<sub>26</sub>, Te<sub>55</sub>).
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4. The information-recording medium according to claim 3, wherein $R2/R1 \ge 1.5$ is satisfied.

- 5. The information-recording medium according to claim 3, wherein $R2/R1 \ge 2.4$ is satisfied.
- 6. The information-recording medium according to claim 3, wherein 8.14 m/s \leq V1 \leq 8.61 m/s is satisfied.
- 7. An information-recording medium comprising a recording layer which is rewritable multiple times and which is formed on a substrate having a recording track formed thereon, for recording information by causing phase-change in the recording layer under a recording condition in which a track pitch TP is smaller than 0.6 x (λ /NA) by scanning the recording track having the track pitch of TP across a laser beam having a wavelength λ collected by an objective lens having a numerical aperture of NA, wherein the recording layer contains Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te:

8. An information-recording medium comprising a

substrate and a recording layer which is rewritable in accordance with phase-change caused by being irradiated with a laser beam, wherein the information-recording medium has a disk-shaped configuration, a groove is previously formed in a concentric form or in a spiral form on the substrate, at least one of the groove and a land between the grooves is used as a recording track, at least one of the groove and the land is wobbled, and the recording layer contains Bi, Ge, and Te, and composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te:

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B2 (Bi2, Ge47, Te51);
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9. A target for an information-recording material having a composition containing Bi, Ge, and Te, wherein composition ratios thereof are within a range surrounded by the following respective points on a triangular composition diagram having apexes corresponding to Bi, Ge, and Te:

- D5 (Bi₁₀, Ge₄₂, Te₄₈);
- C5 (Bi₁₀, Ge₄₁, Te₄₉);
- B5 (Bi, Ge41, Te52).